

CHAPTER 5
STANDARD DRAWING REVISION LOG

B5.1 Metal Reinforcement

Oct 2017	Revised note 6 to include GFRP designation. Changed column name in Table to “Coat”. Added GFRP Bar Length Table.
Nov 2019	Revised format of notes to active voice, imperative mood.
Sep 2020	Changed “GFRP” to “G” in note 6B.
May 2021	Changed format of dimensions in the hook dimensions table to “feet & inches”. Changed definition of 90 degree bend detail length “B”.
Jan 2022	Converted to ORD format.
Oct 2023	Revised GFRP Bar Length summary table. Added Type S to rebar reference in note 5. Deleted note 8 that is included in Section 503
Dec 2024	Created B5.1A for substructure reinforcement and B5.1B for superstructure reinforcement.

B5.1A Metal Reinforcement – Sheet 1

Dec 2024	New sheet for substructure reinforcement Added Bar Type S or W to Table and changed “Bar Type” to “Bend Type”.
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B5.1B Metal Reinforcement – Sheet 2

Dec 2024	New sheet for superstructure reinforcement Added Bar Type S or W to Table and changed “Bar Type” to “Bend Type”. Added note 6c “Provide bar type S or W in accordance with Bridge Design Manual Article 5.4.3”.
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B5.2A AASHTO Type 2 Prestressed Girder

July 2009	Modified the end block reinforcement to comply with AASHTO Article 5.10.10.
June 2013	Revised end block reinforcement details to indicate reinforcement must be designed.
May 2021	Changed CG of strand from centerline bearing to end of girder.
Jan 2022	Converted to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Bundled stirrups in h/4 end region. Changed Concrete Strength from PSI to KSI. Changed strand symbol from solid circle to open circle. Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule. Dimensions of bars G4 & G4A to be specified by the designer. Deleted length of all standard hooks. Revised length of G9A from 2’-11” to 2’-0”.
Dec 2024	Added “AASHTO M31 Grade 60 Type S” to Reinforcement Diagram. Changed name of “Detail A” to “Detail 1” and “Detail B” to “Strand Detail”.

B5.2B AASHTO Type 3 Prestressed Girder

June 2006	Extended the 6” stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.
July 2009	Modified the end block reinforcement to comply with AASHTO Article 5.10.10.
June 2013	Revised end block reinforcement details to indicate reinforcement must be designed.
May 2021	Changed CG of strand from centerline bearing to end of girder.
Jan 2022	Converted to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Bundled stirrups in h/4 end region. Changed Concrete Strength from PSI to KSI. Changed strand symbol from solid circle to open circle. Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule. Dimensions of bars G4 & G4A to be specified by the designer. Deleted length of all standard hooks. Revised length of G9A from 2’-11” to 2’-0”.

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Dec 2024 Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram.
Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".

B5.2C AASHTO Type 4 Prestressed Girder

June 2006 Extended the 6" stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.
July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.
July 2010 Corrected dimension of G1 & G2 bars from 12.5" to 15".
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.
May 2021 Changed CG of strand from centerline bearing to end of girder.
Jan 2022 Converted to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Bundled stirrups in h/4 end region.
Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.
Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule.
Dimensions of bars G4 & G4A to be specified by the designer.
Deleted length of all standard hooks.
Revised length of G9A from 2'-11" to 2'-0".
Dec 2024 Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram.
Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".

B5.2D Prestressed AASHTO Girder Details

June 2006 Extended strand for the positive moment connection in the Type C Diaphragm to comply with Article 5.14.1.4 of the LRFD Manual.
Changed "Abutment Diaphragm Dowel Details" to "Girder End Details" and labeled Type C "Positive Moment Connection".
July 2009 Added Note 9 for size of strand used in the design.
Revised Note 5 for lateral restraint until deck is cured.
Sept 2012 Changed "cut strand" to "extend strand" in Positive Moment Connection Detail.
March 2015 Added new note 5 for electronic shop drawings.
Oct 2017 Specified 0.6" diameter strand.
Added note for Girder Shipping.
Nov 2019 Revised format of notes to active voice, imperative mood.
Sep 2020 Revised wording of note 7.
Revised note 11 to "Fabricate in accordance with Section 506".
Added note 12: "Design based upon 0.6" dia. AASHTO M203 low relaxation strand".
Renumbered note 12 to note 13 and deleted the 7 day requirement.
Added note 14: Basis of Payment.
Jan 2022 Deleted sheet; see B5.3O sheets.

B5.2E Pier Diaphragm for AASHTO Girders

June 2006 Extended strand for the positive moment connection and widened the gap between girder ends to 10".
Jan 2022 Deleted sheet; see B5.3Q sheets.

B5.3A 30" Bulb Tee Prestressed Girder

March 2015 Added new sheet
May 2021 Changed CG of strand from centerline bearing to end of girder.
Jan 2022 Converted to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Bundled stirrups in h/4 end region.
Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.
Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule.

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Dimensions of bars G4 & G4A to be specified by the designer.
Deleted length of all standard hooks.
Revised length of G9 from 3'-5" to 4'-0".
Revised length of G9A from 1'-8.5" to 2'-0".
Dec 2024 Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram.
Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".

B5.3B 36" Bulb Tee Prestressed Girder

July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.
March 2015 Changed page number
May 2021 Changed CG of strand from centerline bearing to end of girder.
Jan 2022 Converted to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Bundled stirrups in h/4 end region.
Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.

Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule.
Dimensions of bars G4 & G4A to be specified by the designer.
Deleted length of all standard hooks.
Revised length of G9 from 3'-5" to 4'-0".
Revised length of G9A from 1'-8.5" to 2'-0".
Dec 2024 Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram.
Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".

B5.3C 42" Bulb Tee Prestressed Girder

July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.
March 2015 Changed page number
May 2021 Changed CG of strand from centerline bearing to end of girder.
Jan 2022 Converted to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Bundled stirrups in h/4 end region.
Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.
Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule.
Dimensions of bars G4 & G4A to be specified by the designer.
Deleted length of all standard hooks.
Revised length of G9 from 3'-5" to 4'-0".
Revised length of G9A from 1'-8.5" to 2'-0".
Dec 2024 Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram.
Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".

B5.3D 48" Bulb Tee Prestressed Girder

June 2006 Extended the 6" stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.
July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.
March 2015 Changed page number
May 2021 Changed CG of strand from centerline bearing to end of girder.
Jan 2022 Converted to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Bundled stirrups in h/4 end region.
Changed Concrete Strength from PSI to KSI.

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Dec 2024 Changed strand symbol from solid circle to open circle.
Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule.
Dimensions of bars G4 & G4A to be specified by the designer.
Deleted length of all standard hooks.
Revised length of G9 from 3'-5" to 4'-0".
Revised length of G9A from 1'-8.5" to 2'-0".
Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram.
Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".

B5.3E 54" Bulb Tee Prestressed Girder

June 2006 Extended the 6" stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.
July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.
March 2015 Changed page number
May 2021 Changed CG of strand from centerline bearing to end of girder.
Jan 2022 Converted to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Bundled stirrups in h/4 end region.
Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.

Dec 2024 Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule.
Dimensions of bars G4 & G4A to be specified by the designer.
Deleted length of all standard hooks.
Revised length of G9 from 3'-5" to 4'-0".
Revised length of G9A from 1'-8.5" to 2'-0".
Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram.
Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".

B5.3F 60" Bulb Tee Prestressed Girder

June 2006 Extended the 6" stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.
July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.
March 2015 Changed page number
May 2021 Changed CG of strand from centerline bearing to end of girder.
Jan 2022 Converted to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Bundled stirrups in h/4 end region.
Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.

Dec 2024 Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule.
Dimensions of bars G4 & G4A to be specified by the designer.
Deleted length of all standard hooks.
Revised length of G9 from 3'-5" to 4'-0".
Revised length of G9A from 1'-8.5" to 2'-0".
Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram.
Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".

B5.3G 66" Bulb Tee Prestressed Girder

June 2006 Extended the 6" stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.
July 2009 Modified the end block reinforcement to comply with AASHTO Article 5.10.10.
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.

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March 2015	Changed page number
May 2021	Changed CG of strand from centerline bearing to end of girder.
Jan 2022	Converted to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Bundled stirrups in h/4 end region. Changed Concrete Strength from PSI to KSI. Changed strand symbol from solid circle to open circle. Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule. Dimensions of bars G4 & G4A to be specified by the designer. Deleted length of all standard hooks. Revised length of G9 from 3'-5" to 4'-0". Revised length of G9A from 1'-8.5" to 2'-0".
Dec 2024	Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram. Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".

B5.3H 72" Bulb Tee Prestressed Girder

June 2006	Extended the 6" stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.
July 2009	Modified the end block reinforcement to comply with AASHTO Article 5.10.10.
June 2013	Revised end block reinforcement details to indicate reinforcement must be designed.
March 2015	Changed page number
May 2021	Changed CG of strand from centerline bearing to end of girder.
Jan 2022	Converted to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Bundled stirrups in h/4 end region. Changed Concrete Strength from PSI to KSI. Changed strand symbol from solid circle to open circle. Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule. Dimensions of bars G4 & G4A to be specified by the designer. Deleted length of all standard hooks. Revised length of G9 from 3'-5" to 4'-0". Revised length of G9A from 1'-8.5" to 2'-0".
Dec 2024	Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram. Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".

B5.3I WF42G Prestressed Girder

July 2009	Added new standard drawing.
June 2013	Revised end block reinforcement details to indicate reinforcement must be designed. Revised bearing plate to 36" square to accommodate difference in bottom flange chamfers.
March 2015	Changed page number
May 2021	Changed CG of strand from centerline bearing to end of girder.
Jan 2022	Converted to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Bundled stirrups in h/4 end region. Changed Concrete Strength from PSI to KSI. Changed strand symbol from solid circle to open circle. Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule. Dimensions of bars G4 & G4A to be specified by the designer. Deleted length of all standard hooks. Revised length of G9 from 3'-5" to 4'-0". Revised length of G9A from 1'-8.5" to 2'-0".

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Dec 2024 Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram.
Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".
Corrected overhang dimension from 1'-9.5" to 1'-9.4375".

B5.3J WF50G Prestressed Girder

July 2009 Added new standard drawing.
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.
Revised bearing plate to 36" square to accommodate difference in bottom flange chamfers.
March 2015 Changed page number
May 2021 Changed CG of strand from centerline bearing to end of girder.
Jan 2022 Converted to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Bundled stirrups in h/4 end region.
Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.
Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule.
Corrected web depth in Section at Centerline Span.
Dimensions of bars G4 & G4A to be specified by the designer.
Deleted length of all standard hooks.
Revised length of G9 from 3'-5" to 4'-0".
Revised length of G9A from 1'-8.5" to 2'-0".
Dec 2024 Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram.
Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".

B5.3K WF58G Prestressed Girder

July 2009 Added new standard drawing.
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.
Corrected top flange cantilever dimension.
Revised bearing plate to 36" square to accommodate difference in bottom flange chamfers.
March 2015 Changed page number
May 2021 Changed CG of strand from centerline bearing to end of girder.
Jan 2022 Converted to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Bundled stirrups in h/4 end region.
Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.
Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule.
Corrected web depth in Section at Centerline Span.
Dimensions of bars G4 & G4A to be specified by the designer.
Deleted length of all standard hooks.
Revised length of G9 from 3'-5" to 4'-0".
Revised length of G9A from 1'-8.5" to 2'-0".
Dec 2024 Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram.
Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".

B5.3L WF66G Prestressed Girder

July 2009 Added new standard drawing.
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.
Corrected top flange cantilever dimension.
Revised bearing plate to 36" square to accommodate difference in bottom flange chamfers.
March 2015 Changed page number
May 2021 Changed CG of strand from centerline bearing to end of girder.
Jan 2022 Converted to ORD format.

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June 2022 Revised format of leader lines.
Oct 2023 Bundled stirrups in h/4 end region.
Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.
Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule.
Dimensions of bars G4 & G4A to be specified by the designer.
Deleted length of all standard hooks.
Revised length of G9 from 3'-5" to 4'-0".
Revised length of G9A from 1'-8.5" to 2'-0".
Dec 2024 Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram.
Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".

B5.3M WF74G Prestressed Girder

July 2009 Added new standard drawing.
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.
Corrected top flange cantilever dimension.
Revised bearing plate to 36" square to accommodate difference in bottom flange chamfers.
March 2015 Changed page number
May 2021 Changed CG of strand from centerline bearing to end of girder.
Jan 2022 Converted to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Bundled stirrups in h/4 end region.
Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.
Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule.
Dimensions of bars G4 & G4A to be specified by the designer.
Deleted length of all standard hooks.
Revised length of G9 from 3'-5" to 4'-0".
Revised length of G9A from 1'-8.5" to 2'-0".
Dec 2024 Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram.
Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".

B5.3N WF83G Prestressed Girder

July 2009 Added new standard drawing.
June 2013 Revised end block reinforcement details to indicate reinforcement must be designed.
Corrected top flange cantilever dimension.
Revised bearing plate to 36" square to accommodate difference in bottom flange chamfers.
March 2015 Changed page number
May 2021 Changed CG of strand from centerline bearing to end of girder.
Jan 2022 Converted to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Bundled stirrups in h/4 end region.
Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.
Moved Immediate and final losses from Prestressed Girder General Details sheet to Prestressed Girder Schedule.
Dimensions of bars G4 & G4A to be specified by the designer.
Deleted length of all standard hooks.
Revised length of G9 from 3'-5" to 4'-0".
Revised length of G9A from 1'-8.5" to 2'-0".
Dec 2024 Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram.
Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail".

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B5.30-1 Prestressed General Girder Details

June 2006	Renumbered the sheet and extended strand for the positive moment connection in the Type C Diaphragm to comply with Article 5.14.1.4 of the LRFD Manual. Changed “Abutment Diaphragm Dowel Details” to “Girder End Details” and labeled Type C “Positive Moment Connection”.
July 2008	Added Note 12 for size of strand used in the design.
July 2009	Renumbered the sheet from B5.3O to B5.3U. Added Note 9 for size of strand used in the design. Revised Note 5 for lateral restraint until deck is cured.
Sept 2012	Changed “cut strand” to “extend strand” in Positive Moment Connection Detail. Changed “BT37 & BT48” to “Bulb Tee Series” and “WF” to “WF Series” in Positive Moment Connection Detail.
March 2015	Changed page number to B5.3O. Added lift loop location. Added new note 5 for electronic shop drawings. Revised note 6 for adding temporary strands in the top flange for handling.
Aug 2016	Deleted reference to note 11 in ** note.
Oct 2017	Specified 0.6” diameter strand. Added note for Girder Shipping.
Nov 2019	Deleted “&” from Lift Loop Location Table. Revised format of notes to active voice, imperative mood. Deleted reference to contour sheet in Screed Adjustment diagram.
Sep 2020	Deleted “All” from the last sentence in note 7. Revised wording of note 8. Added note 14 “fabricate in accordance with Section 506”. Renumbered notes 14 & 15 to 15 & 16. Deleted 7 day requirement from note 16. Added note 17 “Basis of Payment”. Replaced AASHTO girder with Bulb Tee girder in Camber Strip Detail.
May 2021	Clarified spacing of bars in Girder End Details. Changed page number to B5.3O-1.
Jan 2022	Changed sheet title to “Prestressed Girder General details”. Moved “Girder End Details” and “Intermediate Diaphragm Dowel Details” to another sheet. Added Hat Bar Details. Converted sheet to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Deleted note 1 and moved immediate and final losses to prestressed girder schedule on girder detail sheets. Deleted cast-in-place dowel bar option from note 1. Renumbered notes. Revised format of notes to active voice, imperative mood and Writer’s Style Guide. Added arrows showing direction of deflection in Deflection Table.
Dec 2024	Modified dimension line showing screed adjustment dimension. Changed rebar designations S4 & S5 to G12 & G13.

B5.30-2 Prestressed AASHTO Girder Details

May 2021	Added new sheet for WF girder details.
Jan 2022	Changed title of sheet to “AASHTO Girder Details” and added Girder End details, Intermediate Diaphragm Dowel Details for AASHTO Girders. Converted sheet to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Revised Girder End Details Type B for “FIXED” and deleted “Pinned”. Extended strand to provide better anchorage into the abutment cap. Added “Type B & Type C” to End Details Table.
Dec 2024	Changed name of “Detail A” to “Detail 1”.

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B5.30-3 Prestressed Bulb Tee Girder Details

Sept 2021 Added new sheet for Girder End details, Intermediate Diaphragm Dowel Details for Bulb Tee Girders.
Converted sheet to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Revised Girder End Details Type B for “FIXED” and deleted “Pinned”. Extended strand to provide better anchorage into the abutment cap.
Dec 2024 Changed name of “Detail A” to “Detail 1”.

B5.30-4 Prestressed WF Girder Details

Sept 2021 Added new sheet for Girder End details, Intermediate Diaphragm Dowel Details for WF Girders.
Converted sheet to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Revised Girder End Details Type B for “FIXED” and deleted “Pinned”. Extended strand to provide better anchorage into the abutment cap.
Dec 2024 Changed name of “Detail A” to “Detail 1”.

B5.3P Temporary Diaphragm Details

June 2006 Renumbered the sheet.
July 2009 Renumbered the sheet from B5.3P to B5.3V.
May 2014 Lowered the hole for the top brace from 9” to 12” to get the assembly below the fillet for the WF Series girders.
Added the WF data to the Lower Connection Plate Detail.
Added a G13-#4 bar for the WF girder.
March 2015 Changed page number
Nov 2019 Revised format of notes to active voice, imperative mood.
May 2021 Revised sheet to make temporary diaphragms a contractor design.
Jan 2022 Deleted details and only show Concept Detail. Temporary diaphragm details submitted on shop drawings for approval.
Converted sheet to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Revised format of notes to active voice, imperative mood and Writer’s Style Guide.

B5.3Q-1 Pier Diaphragm for AASHTO Girders

June 2006 Renumbered the sheet, extended the strand for the positive moment connection, and widened the gap between girder ends to 10”.
July 2009 Renumbered the sheet from B5.3Q to B5.3W.
March 2015 Changed page number
Jan 2022 Changed sheet to AASHTO girder details.
Converted sheet to ORD format.
June 2022 Revised format of leader lines.
Dec 2024 Changed rebar designation “E” to “PD”.

B5.3Q-2 Pier Diaphragm for Bulb Tee & WF Girders

Jan 2022 Added new sheet for Bulb Tee and WF girder details.
Converted sheet to ORD format.
June 2022 Revised format of leader lines.
Dec 2024 Changed rebar designation “E” to “PD”.

B5.3R Optional Prestressed Girder WWR Details

Oct 2023 Added new sheet.

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B5.4A Typical Deck Bulb Tee Section & Details (Off-System and Local Roads)

June 2006	Added new standard drawing.
July 2009	Corrected spelling of Bulb Tee in title block Corrected wording in Note 6(“one” to “when”) Added Note 14 placing girders perpendicular to the cross-slope. Changed intermediate diaphragm reinforcement G9, G9A, D1, &D2 to #4 Specified G9 & G9A bars @ maximum 12” spacing
June 2013	Revised reference in Note 8 to subsection 705.02 for 2012 Standard Specifications.
March 2015	Revised note 10 for spray-applied concrete waterproof membrane.
Aug 2016	Designated drawing for Off System and Local Roads bridges using weld tabs.
Nov 2019	Revised format of notes to active voice, imperative mood.
Jan 2022	Converted sheet to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Revised format of notes to active voice, imperative mood and Writer’s Style Guide. Revised railing from 2-tube curb mount rail to 3-tube curb mount rail in the Typical Section.
Dec 2024	Denoted G9 & G9A bars as epoxy coated.

B5.4B Prestressed Deck Bulb Tee Girder (Off-System and Local Roads)

June 2006	Added new standard drawing.
April 2008	Defined “W” Changed G14 to #4 Computed max. spacing for G11 & G12 flange reinforcement Modified Reinforcement Diagram Sketch for G1, G5, G5A, G11, G13, & G14.
July 2009	Modified Reinforcement Diagram Sketch for G6 & G8 Added G9 & G9A bars to Reinforcement Diagram Added spacing of intermediate diaphragm bars in the Elevation view Added confinement length “Y” and Bursting Reinforcement length “Z” to End Reinforcement Detail
July 2010	Standardized G12 bar to #6@6½” and added G12A for exterior girder. Added note for bundling #4 bar with G12 within 8’ of joint/discontinuity of parapet.
Aug 2016	Designated drawing for Off System and Local Roads bridges. Changed all reinforcement to epoxy coated bars. Revised concrete parapet to 2-tube curb mounted rail. Changed G12A to 180° hook. Updated names of fabricators.
Sep 2020	Changed name of Oldcastle Precast to Knife River Prestress.
May 2021	Changed CG of strand from centerline bearing to end of girder
Jan 2022	Converted sheet to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Bundled stirrups in h/4 end region. Changed Concrete Strength from PSI to KSI. Changed strand symbol from solid circle to open circle. Moved Immediate and final losses from Prestressed Deck Girder Details sheet to Prestressed Girder Schedule.
Dec 2024	Added “AASHTO M31 Grade 60 Type S” to Reinforcement Diagram. Changed name of “Detail A” to “Detail 1” and “Detail B” to “Strand Detail”. Denoted epoxy bars in details as (E).

B5.4C Prestressed Deck Bulb Tee Girder Details (Off-System and Local Roads)

June 2006	Added new standard drawing.
July 2009	Added Note 11 for size of strand used in the design. Added Notes 12 & 13 for deflection data Modified Deflection Data Table for ΔD
July 2010	Deleted the 5’ dimension for length of splayed bar area and made it a variable.
March 2015	Added new note 5 for electronic shop drawings.

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Aug 2016	Designated drawing for Off System and Local Roads bridges using weld tabs.
Oct 2017	Specified 0.6" diameter strand. Added note for Girder Shipping.
Nov 2019	Corrected size and spacing of G11 & G12 bars in the Girder Plan. Revised format of notes to active voice, imperative mood.
Sep 2020	Revised wording of notes 2, 4, 5 & 7. Added note 11 "Fabricate in accordance with Section 506". Renumbered notes 11, 12, 13, 14, & 15. Deleted 7 day requirement from note 16. Added note 17 "Basis of Payment".
May 2021	Clarified spacing of bars in Girder End Details.
Jan 2022	Converted sheet to ORD format.
June 2022	Removed inch symbol from weld symbol and angle designation. Revised format of leader lines.
Oct 2023	Deleted note 1 and moved immediate and final losses to prestressed girder schedule on girder detail sheets. Deleted cast-in-place dowel bar option from note 1. Renumbered notes. Added arrows showing direction of deflection in Deflection Table. Revised format of notes to active voice, imperative mood and Writer's Style Guide
Dec 2024	Changed name of "Detail A" to "Detail 1". Denoted epoxy bars with (E) designation.

B5.4D Typical Deck Bulb Tee Section & Details (State System)

Aug 2016	Added new standard drawing for State System Bridges using UHPC longitudinal shear key.
Oct 2017	Revised note 5 temporary bracing removal to agree with construction sequence. Revised note 7 to agree with the Special Provision. Revised note 9 to agree with the Special Provision.
Nov 2019	Revised format of notes to active voice, imperative mood. Added note 9A for HESC. Added note 13 for PPC overlay.
Jan 2022	Changed railing to 3-Tube Curb Mounted rail. Converted sheet to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Revised format of notes to active voice, imperative mood and Writer's Style Guide Revised railing from 2-tube curb mount rail to 3-tube curb mount rail in the Typical Section.
Dec 2024	Denoted epoxy bars in details as (E).

B5.4E Prestressed Deck Bulb Tee Girder (State System)

Aug 2016	Added new standard drawing for State System Bridges using UHPC longitudinal shear key.
Oct 2017	Changed stirrup spacing at the end of the girder in the Elevation view from 3" to 4" to agree with the End Reinforcement Detail.
Nov 2019	Defined extension length of G11 & G12 bars into UHPC and HESC closure pour.
May 2021	Changed CG of strand from centerline bearing to end of girder
Jan 2022	Converted sheet to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Bundled stirrups in h/4 end region. Changed Concrete Strength from PSI to KSI. Changed strand symbol from solid circle to open circle. Moved Immediate and final losses from Prestressed Deck Girder Details sheet to Prestressed Girder Schedule.
Dec 2024	Added "AASHTO M31 Grade 60 Type S" to Reinforcement Diagram. Changed name of "Detail A" to "Detail 1" and "Detail B" to "Strand Detail". Changed G5 bar from plain to epoxy.

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B5.4F Prestressed Deck Bulb Tee Girder Details (State System)

Oct 2016	Added new standard drawing for State System Bridges using UHPC longitudinal shear key.
Oct 2017	Specified 0.6" diameter strand. Added note for Girder Shipping.
Nov 2019	Added HESC closure pour and forming details. Labeled closure pour and forming details for UHPC.
Sep 2020	Revised format of notes to active voice, imperative mood. Revised wording of notes 2, 7, & 13. Added note 14 "Fabricate in accordance with Section 506". Renumbered notes 14 to 19. Deleted 7 day requirement from note 20. Added note 21 "Basis of Payment". Added "min" to plywood strip thickness in UHPC Closure Pour Forming Details and deleted reference to Ductal Jointing Procedure.
May 2021	Clarified spacing of bars in Girder End Details.
Jan 2022	Converted sheet to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Deleted note 1 and moved immediate and final losses to prestressed girder schedule on girder detail sheets. Deleted cast-in-place dowel bar option from note 1. Added arrows showing direction of deflection in Deflection Table. Renumbered notes.
Dec 2024	Revised format of notes to active voice, imperative mood and Writer's Style Guide. Changed name of "Detail A" to "Detail 1" Denoted G5 end diaphragm bar as epoxy coated.

B5.5A 1'-0" Prestressed Solid Slab (Off-System and Local Roads)

June 2013	Changed top mat reinforcement cover to 2½". Added 4-G2#4 bars at top of section. Added Note 5 for design of end block reinforcement Revised location of top row of prestress reinforcement.
Aug 2016	Designated drawing for Off System and Local Roads bridges using weld ties and tie rods. Corrected the float finish note reference in the Elevation.
Oct 2017	Moved note from Typical Prestressed Slab Details sheet B5.5G to create note 5.
Nov 2019	Corrected reference in PLAN from "note 5" to "note 4".
Jan 2022	Converted sheet to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Changed Concrete Strength from PSI to KSI. Changed strand symbol from solid circle to open circle. Moved Immediate and final losses from Prestressed Deck Girder Details sheet to Prestressed Girder Schedule.
Dec 2024	Deleted Reinforcement Diagram and moved it to B5.5G. Changed name of "Detail A" to "Detail 1" and "Detail B" to "Detail 2". Denoted epoxy bars with (E) designation

B5.5B 1'-3" Prestressed Voided Slab (Off-System and Local Roads)

June 2013	Changed top mat reinforcement cover to 2½". Added 4-G2#4 bars at top of section. Added Note 5 for design of end block reinforcement Revised location of top row of prestress reinforcement.
Aug 2016	Designated drawing for Off System and Local Roads bridges using weld ties and tie rods. Corrected the float finish note reference in the Elevation.
Oct 2017	Moved note from Typical Prestressed Slab Details sheet B5.5G to create note 5.
Nov 2019	Corrected reference in PLAN from "note 5" to "note 4".
Jan 2022	Converted sheet to ORD format.
June 2022	Revised format of leader lines.

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Oct 2023 Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.
Moved Immediate and final losses from Prestressed Deck Girder Details sheet to Prestressed Girder Schedule.

Dec 2024 Deleted Reinforcement Diagram and moved it to B5.5G.
Changed name of “Detail A” to “Detail 1” and “Detail B” to “Detail 2”.
Denoted epoxy bars with (E) designation

B5.5C 1’-3” Prestressed Solid Slab (Off-System and Local Roads)

Feb 2012 Deleted void and vent hole details shown on the drawings.

June 2013 Changed top mat reinforcement cover to 2½”.
Added 4-G2#4 bars at top of section.
Added Note 5 for design of end block reinforcement
Revised location of top row of prestress reinforcement.

Aug 2016 Designated drawing for Off System and Local Roads bridges using weld ties and tie rods.
Corrected the float finish note reference in the Elevation.

Oct 2017 Moved note from Typical Prestressed Slab Details sheet B5.5G to create note 5.

Nov 2019 Corrected reference in PLAN from “note 5” to “note 4”.

Jan 2022 Converted sheet to ORD format.

June 2022 Revised format of leader lines.

Oct 2023 Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.
Moved Immediate and final losses from Prestressed Deck Girder Details sheet to Prestressed Girder Schedule.

Dec 2024 Deleted Reinforcement Diagram and moved it to B5.5G.
Changed name of “Detail A” to “Detail 1” and “Detail B” to “Detail 2”.
Denoted epoxy bars with (E) designation

B5.5D 1’-6” Prestressed Solid Slab (Off-System and Local Roads)

Feb 2012 Deleted void and vent hole details shown on the drawings.

June 2013 Changed top mat reinforcement cover to 2½”.
Added 4-G2#4 bars at top of section.
Added Note 5 for design of end block reinforcement
Revised location of top row of prestress reinforcement.

Aug 2016 Designated drawing for Off System and Local Roads bridges using weld ties and tie rods.
Corrected the float finish note reference in the Elevation.

Oct 2017 Moved note from Typical Prestressed Slab Details sheet B5.5G to create note 5.

Nov 2019 Changed center of 8” voids from 8½” to 9” to meet the requirements of AASTO Article 5.12.3.2.2.
Corrected reference in PLAN from “note 5” to “note 4”.

Jan 2022 Converted sheet to ORD format.

June 2022 Revised format of leader lines.

Oct 2023 Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.
Moved Immediate and final losses from Prestressed Deck Girder Details sheet to Prestressed Girder Schedule.

Dec 2024 Deleted Reinforcement Diagram and moved it to B5.5G.
Changed name of “Detail A” to “Detail 1” and “Detail B” to “Detail 2”.
Denoted epoxy bars with (E) designation

B5.5E 1’-9” Prestressed Solid Slab (Off-System and Local Roads)

Feb 2012 Deleted void and vent hole details shown on the drawings.

June 2013 Changed top mat reinforcement cover to 2½”.
Added 4-G2#4 bars at top of section.
Added Note 5 for design of end block reinforcement
Revised location of top row of prestress reinforcement.

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Aug 2016	Designated drawing for Off System and Local Roads bridges using weld ties and tie rods. Corrected the float finish note reference in the Elevation.
Oct 2017	Moved note from Typical Prestressed Slab Details sheet B5.5G to create note 5.
Nov 2019	Corrected reference in PLAN from “note 5” to “note 4”.
Jan 2022	Converted sheet to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Changed Concrete Strength from PSI to KSI. Changed strand symbol from solid circle to open circle. Moved Immediate and final losses from Prestressed Deck Girder Details sheet to Prestressed Girder Schedule.
Dec 2024	Deleted Reinforcement Diagram and moved it to B5.5G. Changed name of “Detail A” to “Detail 1” and “Detail B” to “Detail 2”. Denoted epoxy bars with (E) designation

B5.5F 2'-2" Prestressed Voided Slab (Off-System and Local Roads)

June 2006	Extended the 6" stirrup spacing in the end block to comply with AASHTO Article 5.10.10.2.
June 2013	Changed top mat reinforcement cover to 2½". Added 4-G2#4 bars at top of section. Added Note 5 for design of end block reinforcement Revised location of top row of prestress reinforcement.
Aug 2016	Designated drawing for Off System and Local Roads bridges using weld ties and tie rods. Corrected the float finish note reference in the Elevation.
Oct 2017	Moved note from Typical Prestressed Slab Details sheet B5.5G to create note 5.
Nov 2019	Corrected reference in PLAN from “note 5” to “note 4”.
Jan 2022	Converted sheet to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Changed Concrete Strength from PSI to KSI. Changed strand symbol from solid circle to open circle. Moved Immediate and final losses from Prestressed Deck Girder Details sheet to Prestressed Girder Schedule.
Dec 2024	Deleted Reinforcement Diagram and moved it to B5.5G. Changed name of “Detail A” to “Detail 1” and “Detail B” to “Detail 2”. Denoted epoxy bars with (E) designation

B5.5G Typical Prestressed Slab Details (Off-System and Local Roads)

June 2006	Corrected the reference in Note 10 to paragraph H to conform to the 2004 Standard Specifications.
July 2009	Added Note 19 for size of strand used in the design.
June 2013	Corrected Detail A. Added Self Consolidating Concrete note to Note 9.
March 2015	Added new note 14 for electronic shop drawings.
Aug 2016	Designated drawing for Off System and Local Roads bridges using weld ties and tie rods. Deleted composite dead load from deflection data table.
Oct 2017	Specified 0.6" diameter strand. Added note for Girder Shipping.
Nov 2019	Revised Note 9 to replace reference to Contractor’s Note for Self-Consolidating Concrete with “Section 502” to comply with the 2018 Standard Specifications. Revised format of notes to active voice, imperative mood.
Sep 2020	Changed “Girders” to “Slab” in notes 1, 15, 16, 19, & Construction Sequence note 1. Deleted “All” in note 16. Changed “Subsection 506.03” to “Section 506” in note 16. Deleted “7 days after placement” requirement in note 21. Added note 22 “Basis of Payment”. Added Δ before “P” in ΔP + ΔG equation in Deflection Table.
Jan 2022	Changed title from “Tie Rods” to “Tie Rods and Bearing Plates” in Notes. Converted sheet to ORD format.

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June 2022	Removed inch symbol from weld symbol. Used diameter symbol in Steel Plate Washer Detail. Revised format of leader lines.
Oct 2023	Deleted note 1 and moved immediate and final losses to prestressed girder schedule on girder detail sheets. Renumbered notes. Added arrows showing direction of deflection in Deflection Table.
Dec 2024	Revised format of notes to active voice, imperative mood and Writer's Style Guide. Added Reinforcement Diagram. Changed name of "Detail A" to "Detail 1" and "Detail B" to "Detail 2".

B5.6A 12" Prestressed Slab (State System)

Aug 2016	Added new standard drawing for State System Bridges using UHPC longitudinal shear key.
Oct 2017	In note 2, replaced sheet number with "Typical Prestressed Slab Details sheet". In note 5, changed note reference to 21 to agree with new numbering on Typical Prestressed Slab Details sheet. Moved note from Typical Prestressed Slab Details sheet B5.6G to create note 7. In the Elevation, changed note reference to 18 to agree with new numbering on Typical Prestressed Slab Details sheet and replaced sheet number with "Typical Prestressed Slab Details sheet".
Nov 2019	Increased depth of shear key from 6" to 7".
Jan 2022	Converted sheet to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Changed Concrete Strength from PSI to KSI. Changed strand symbol from solid circle to open circle. Moved Immediate and final losses from Prestressed Deck Girder Details sheet to Prestressed Girder Schedule.
Dec 2024	Denoted epoxy bars with (E) designation

B5.6B 1'-3" Prestressed Voided Slab (State System)

Aug 2016	Added new standard drawing for State System Bridges using UHPC longitudinal shear key.
Oct 2017	In note 2, replaced sheet number with "Typical Prestressed Slab Details sheet". In note 5, changed note reference to 21 to agree with new numbering on Typical Prestressed Slab Details sheet. Moved note from Typical Prestressed Slab Details sheet B5.6G to create note 7. In the Elevation, changed note reference to 18 to agree with new numbering on Typical Prestressed Slab Details sheet and replaced sheet number with "Typical Prestressed Slab Details sheet".
Nov 2019	Deleted 4" dia. PVC for future utilities note from Section at Mid-Span. 4" PVC will not fit inside 5" void. Increased depth of shear key from 6" to 7".
Jan 2022	Converted sheet to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Changed Concrete Strength from PSI to KSI. Changed strand symbol from solid circle to open circle. Moved Immediate and final losses from Prestressed Deck Girder Details sheet to Prestressed Girder Schedule.
Dec 2024	Denoted epoxy bars with (E) designation

B5.6C 1'-3" Prestressed Slab (State System) (State System)

Aug 2016	Added new standard drawing for State System Bridges using UHPC longitudinal shear key.
Oct 2017	In note 2, replaced sheet number with "Typical Prestressed Slab Details sheet". In note 5, changed note reference to 21 to agree with new numbering on Typical Prestressed Slab Details sheet. Moved note from Typical Prestressed Slab Details sheet B5.6G to create note 7. In the Elevation, changed note reference to 18 to agree with new numbering on Typical Prestressed Slab Details sheet and replaced sheet number with "Typical Prestressed Slab Details sheet".
Nov 2019	Increased depth of shear key from 6" to 7".
Jan 2022	Converted sheet to ORD format.

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June 2022 Revised format of leader lines.
Oct 2023 Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.
Moved Immediate and final losses from Prestressed Deck Girder Details sheet to Prestressed Girder Schedule.
Dec 2024 Denoted epoxy bars with (E) designation

B5.6D 1'-6" Prestressed Voided Slab (State System)

Aug 2016 Added new standard drawing for State System Bridges using UHPC longitudinal shear key.
Oct 2017 In note 2, replaced sheet number with "Typical Prestressed Slab Details sheet".
In note 5, changed note reference to 18 to agree with new numbering on Typical Prestressed Slab Details sheet.
Moved note from Typical Prestressed Slab Details sheet B5.6G to create note 7.
In the Elevation, changed note reference to 21 to agree with new numbering on Typical Prestressed Slab Details sheet and replaced sheet number with "Typical Prestressed Slab Details sheet".
Nov 2019 Changed center of 8" voids from 8½" to 9" to meet the requirements of AASTO Article 5.12.3.2.2.
Corrected note 5 reference from "note 21" to "note 20".
Increased depth of shear key from 6" to 7".
Jan 2022 Converted sheet to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.
Moved Immediate and final losses from Prestressed Deck Girder Details sheet to Prestressed Girder Schedule.
Dec 2024 Denoted epoxy bars with (E) designation

B5.6E 1'-9" Prestressed Voided Slab (State System)

Aug 2016 Added new standard drawing for State System Bridges using UHPC longitudinal shear key.
Oct 2017 In note 2, replaced sheet number with "Typical Prestressed Slab Details sheet".
In note 5, changed note reference to 21 to agree with new numbering on Typical Prestressed Slab Details sheet.
Moved note from Typical Prestressed Slab Details sheet B5.6G to create note 7.
In the Elevation, changed note reference to 18 to agree with new numbering on Typical Prestressed Slab Details sheet and replaced sheet number with "Typical Prestressed Slab Details sheet".
Nov 2019 Increased depth of shear key from 6" to 7".
Jan 2022 Converted sheet to ORD format.
June 2022 Revised format of leader lines.
Oct 2023 Changed Concrete Strength from PSI to KSI.
Changed strand symbol from solid circle to open circle.
Moved Immediate and final losses from Prestressed Deck Girder Details sheet to Prestressed Girder Schedule.
Dec 2024 Denoted epoxy bars with (E) designation

B5.6F 2'-2" Prestressed Voided Slab (State System)

Aug 2016 Added new standard drawing for State System Bridges using UHPC longitudinal shear key.
Oct 2017 In note 2, replaced sheet number with "Typical Prestressed Slab Details sheet".
In note 5, changed note reference to 21 to agree with new numbering on Typical Prestressed Slab Details sheet.
Moved note from Typical Prestressed Slab Details sheet B5.6G to create note 7.
In the Elevation, changed note reference to 18 to agree with new numbering on Typical Prestressed Slab Details sheet and replaced sheet number with "Typical Prestressed Slab Details sheet".
Nov 2019 Increased depth of shear key from 6" to 7".
Jan 2022 Converted sheet to ORD format.
June 2022 Revised format of leader lines.

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Oct 2023	Changed Concrete Strength from PSI to KSI. Changed strand symbol from solid circle to open circle. Moved Immediate and final losses from Prestressed Deck Girder Details sheet to Prestressed Girder Schedule.
Dec 2024	Denoted epoxy bars with (E) designation

B5.6G Typical Prestressed Slab Details (State System)

Aug 2016	Added new standard drawing for State System Bridges using UHPC longitudinal shear key.
Oct 2017	Reformatted Notes. Specified 0.6" diameter strand. Added note for Girder Shipping. Changed "mill" to "diamond grind" in new note 21.
March 2018	Changed "mill" to "diamond grind" in Construction Sequence note 5.
Nov 2019	Revised Note 3 to replace reference to Contractor's Note for Self-Consolidating Concrete with "Section 502" to comply with the 2018 Standard Specifications. Corrected reference to "note 21" to "note 20" in Camber Detail. Revised format of notes to active voice, imperative mood. Deleted note 20 for future utility conduits. Renumbered note 21 to note 20. Changed thickness of strip form from $\frac{1}{4} \pm \frac{1}{8}$ to $\frac{3}{8}$ " and plywood cover form thickness from $\frac{3}{8}$ " to $\frac{3}{8}$ " to agree with deck bulb tee girder details. Increased depth of shear key from 6" to 7". Corrected location of G6 bar in Shear Key Detail to show 2½" clear and increased length of G6 & G7 bars.
Sep 2020	Deleted "All" from notes 6 & 16. Revised wording of notes 8 & 11. Changed "Subsection 506.03" to "Section 506" in note 17. Deleted "7 days after placement" requirement in note 22. Added note 23 "Basis of Payment". Added Δ before "P" in ΔP + ΔG equation in Deflection Table. Added "min" to plywood strip thickness in Shear Key Forming Details and deleted reference to Ductal Jointing Procedure. Added "Hot dip galvanize after fabrication" to Slab Bearing Plate detail.
Jan 2022	Converted sheet to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Deleted note 1 and moved immediate and final losses to prestressed girder schedule on girder detail sheets. Renumbered notes. Revised format of notes to active voice, imperative mood and Writer's Style Guide. Added arrows showing direction of deflection in Deflection Table.
Dec 2024	Added title "Reinforcement Diagram" & AASHTO M31 Grade 60 Type S to reinforcement table.

B5.7A Box Girder Details

June 2006	Renumbered the sheet.
Nov 2019	Revised format of notes to active voice, imperative mood.
Jan 2022	Converted sheet to ORD format.
June 2022	Revised format of leader lines.
Oct 2023	Revised format of notes to active voice, imperative mood and Writer's Style Guide.

B5.7B Post-tensioning Standard Details

June 2006	Renumbered the sheet.
Nov 2019	Revised format of notes to active voice, imperative mood.
Jan 2022	Converted sheet to ORD format.
June 2022	Revised format of leader lines.

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Oct 2023 Revised format of notes to active voice, imperative mood and Writer's Style Guide.

B5.8 Electrical Connection to Top Reinforcing Steel

June 2006 Added new standard drawing.

Nov 2019 Deleted sheet.

B5.8 Concrete Repair Details

Nov 2019 Added new sheet.

May 2021 Added "Section" to "582" references.

Added preformed joint filler around bearing pad in Section B-B.

Increased depth of spall removal in Section D-D to be $\frac{3}{4}$ " below reinforcement to engage rebar to hold patch in place.

Jan 2022 Converted sheet to ORD format.

June 2022 Revised format of leader lines.

Oct 2023 Revised format of notes to active voice, imperative mood and Writer's Style Guide.

Dec 2024 Deleted Note 1 and renumbered notes.

Added extra lines in Table.

Revised note for "Field Verify" to "Field verify clear cover and adjust sawcut depth to avoid rebar damage".